

IN THE CLAIMS

1. (Currently amended) Diaphragm pump (1) comprising a working diaphragm (3), which, during pumping movements, oscillates between a bottom dead center and a top dead center, which delimits a pump chamber (7) between itself the working diaphragm and a pump chamber wall (6), and which rests against the pump chamber wall (6) in the top dead center, the working diaphragm (3) has an inner and an outer annular zone (8, 9), which are deformable during the pumping movements, a stiffened diaphragm area that is generally non-deformable during the pumping movements is arranged between the annular zones (8, 9), and the working diaphragm (3) is stiffened in the ~~non-deformable~~ stiffeNed diaphragm area by support ribs (10), which are oriented in a radial direction and are spaced apart from each other in a circumferential direction, and which are arranged on a lower side of the diaphragm facing away from the pump chamber wall (6).

2. (Currently amended) Diaphragm pump according to Claim 1, ~~characterized in that~~ wherein the pump chamber wall is concave.

3. (Currently amended) Diaphragm pump according to Claim 1, wherein ~~or 2,~~ ~~characterized in that~~ the support ribs (10) have a curved longitudinal extent (cf. ~~Figure 4~~).

4. (Currently amended) Diaphragm pump according to Claim 1, wherein ~~or 2,~~ ~~characterized in that~~ the support ribs (10) have a straight longitudinal extent (cf. ~~Figure 3~~).

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Application No.: Not Yet Known

5. (Currently amended) Diaphragm pump according to Claim 1, wherein ~~one of Claims 1 to 4, characterized in that~~ the support ribs (10) deviate from radial lines. ~~preferably by up to plus/minus 30°.~~

6. (Currently amended) Diaphragm pump according to Claim 1, wherein ~~one of Claims 1 to 5, characterized in that~~ the support ribs (10) are spaced apart from each other in a circumferential direction and have ~~[[the]]~~ a same direction of curvature or deviation from radial lines.

7. (Currently amended) Diaphragm pump according to Claim 1, wherein ~~one of Claims 1 to 6, characterized in that~~ a side of the support ribs (10) facing the pump chamber wall (6) is adapted in shape to a contour of the pump chamber wall (6).

8. (New) Diaphragm pump according to Claim 5, wherein the deviation is up to about plus or minus 30°.